

METHOD AND APPARATUS FOR CREATING A RADIO FREQUENCY FILTER

ABSTRACT

5 A transmission line (218) is formed to have a characteristic
impedance which increases at a first substantially exponential rate with
respect to a distance from the input (202). A plurality of resonators (206-
214) are coupled to the transmission line and positioned at a plurality of
locations along the transmission line. The plurality of resonators has
10 resonant frequencies that decrease at a second substantially exponential
rate with respect to the distance from the input. An output signal (810,
812) is obtained at a point in the filter that produces a filter response
having a corner frequency.